

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042622\
 Data File : VY008504.D
 Acq On : 26 Apr 2022 15:17
 Operator : KP/MD
 Sample : N2494-01RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

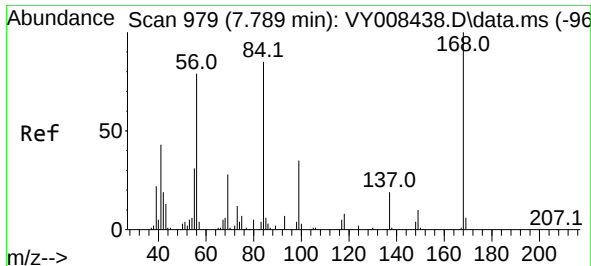
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-1S

Quant Time: Apr 27 01:22:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	6133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	10317	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	9522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	3757	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	3717	51.509	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.020%			
35) Dibromofluoromethane	7.728	113	3369	50.598	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.200%			
50) Toluene-d8	10.178	98	11890	45.034	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 90.060%			
62) 4-Bromofluorobenzene	12.483	95	3685	41.100	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 82.200%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.661	94	248	2.342	ug/l #	77
10) Methyl Iodide	4.100	142	72	2.444	ug/l #	35
20) Methylene Chloride	4.722	84	221	Below Cal	#	61
36) 1,1-Dichloropropene	7.789	75	524	4.947	ug/l #	42
38) Carbon Tetrachloride	7.795	117	569	5.171	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	1960	40.311	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1960	93.517	ug/l #	7

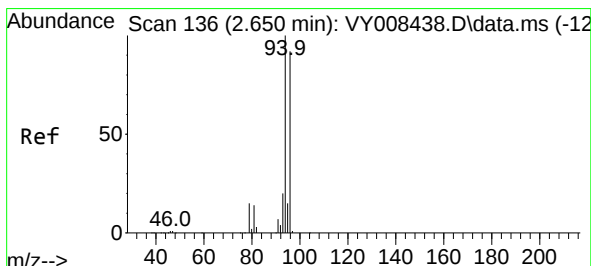
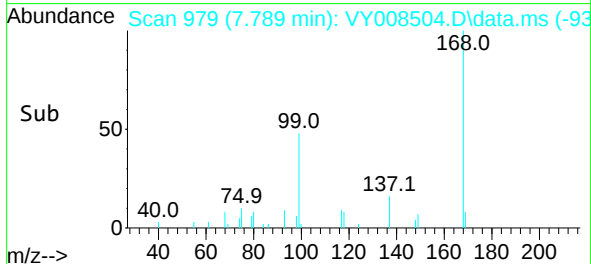
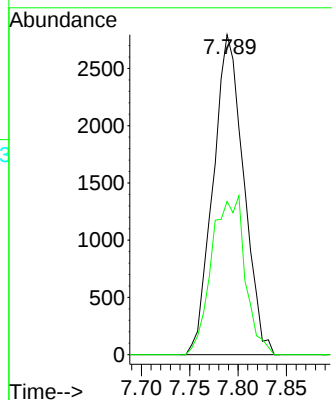
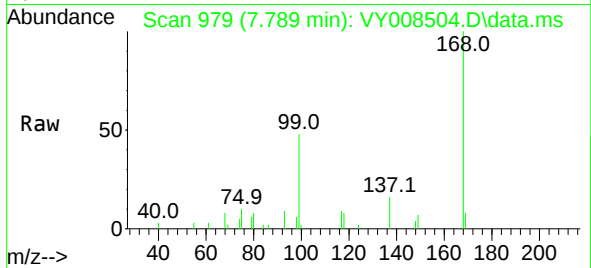
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008504.D
Acq: 26 Apr 2022 15:17

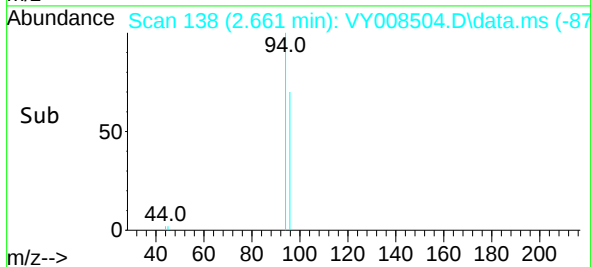
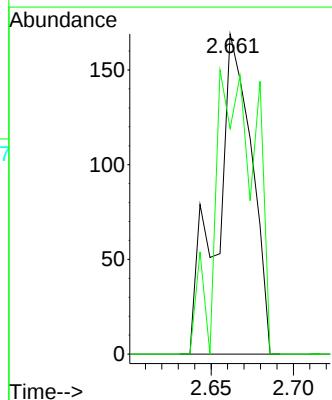
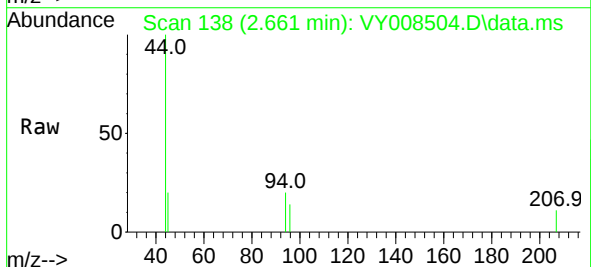
Instrument :
MSVOA_Y
ClientSampleId :
MH-1S

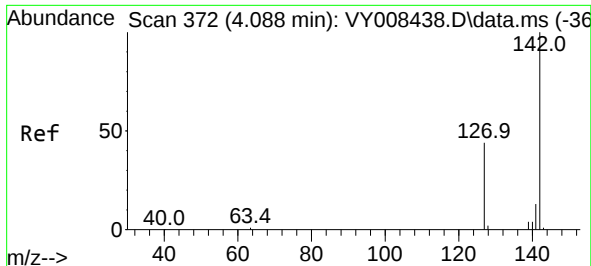
Tgt Ion:168 Resp: 6133
Ion Ratio Lower Upper
168 100
99 47.9 46.9 70.3



#5
Bromomethane
Concen: 2.342 ug/l
RT: 2.661 min Scan# 138
Delta R.T. 0.011 min
Lab File: VY008504.D
Acq: 26 Apr 2022 15:17

Tgt Ion: 94 Resp: 248
Ion Ratio Lower Upper
94 100
96 70.4 73.5 110.3#

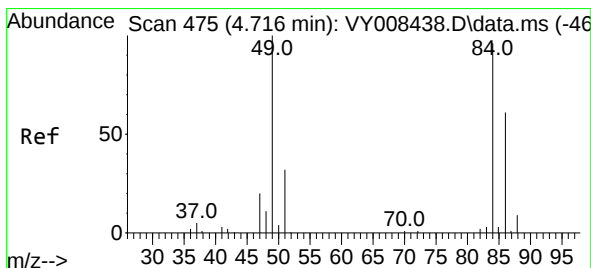
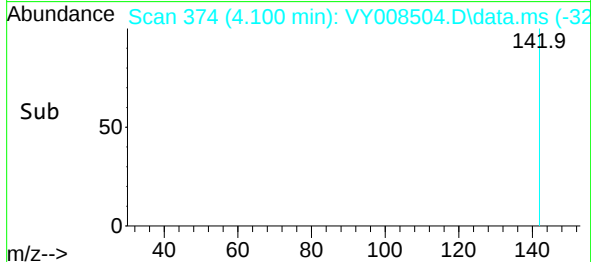
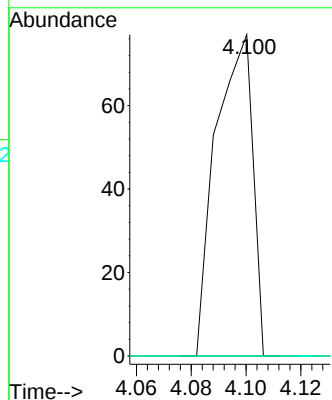
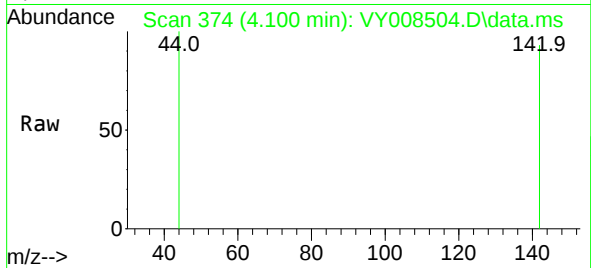




#10
Methyl Iodide
Concen: 2.444 ug/l
RT: 4.100 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY008504.D
Acq: 26 Apr 2022 15:17

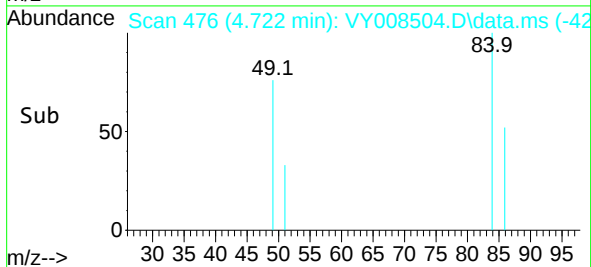
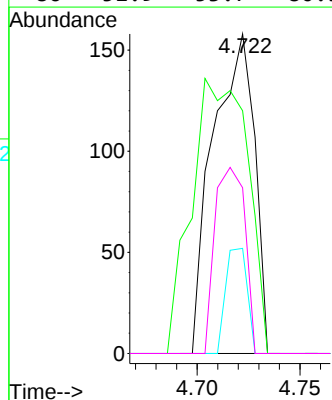
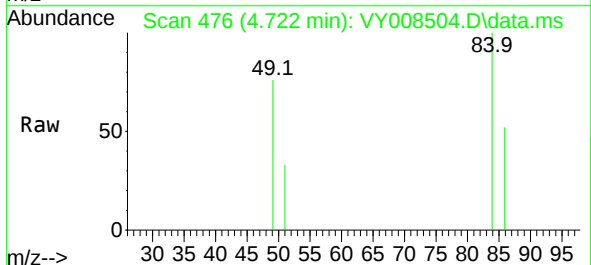
Instrument :
MSVOA_Y
ClientSampleId :
MH-1S

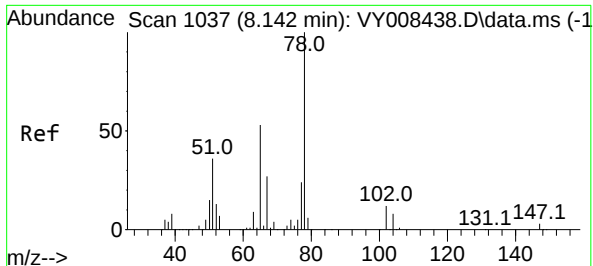
Tgt Ion:142 Resp: 72
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY008504.D
Acq: 26 Apr 2022 15:17

Tgt Ion: 84 Resp: 221
Ion Ratio Lower Upper
84 100
49 75.9 114.4 171.6#
51 32.9 35.3 52.9#
86 51.9 53.7 80.5#





#33

1,2-Dichloroethane-d4

Concen: 51.509 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY008504.D

Acq: 26 Apr 2022 15:17

Instrument :

MSVOA_Y

ClientSampleId :

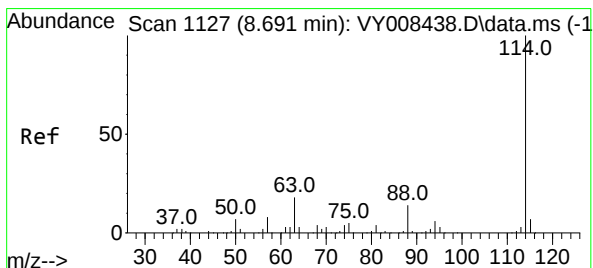
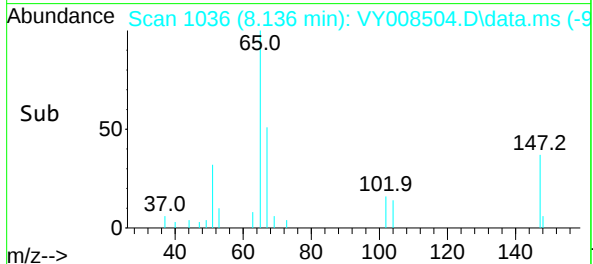
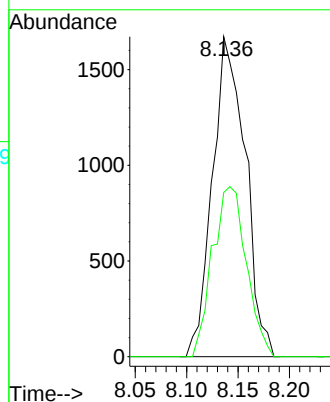
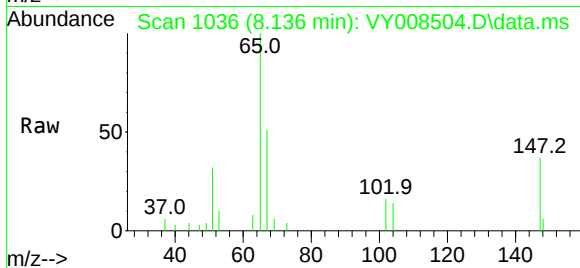
MH-1S

Tgt Ion: 65 Resp: 3717

Ion Ratio Lower Upper

65 100

67 54.7 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY008504.D

Acq: 26 Apr 2022 15:17

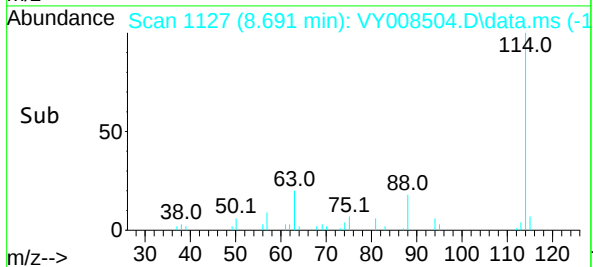
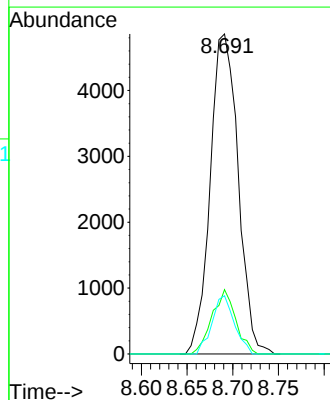
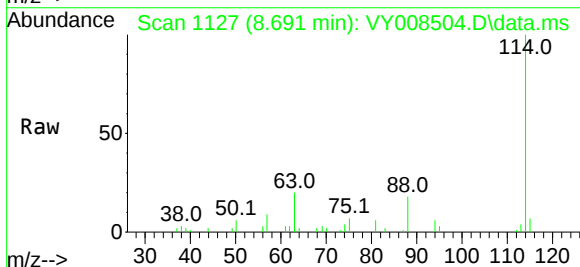
Tgt Ion: 114 Resp: 10317

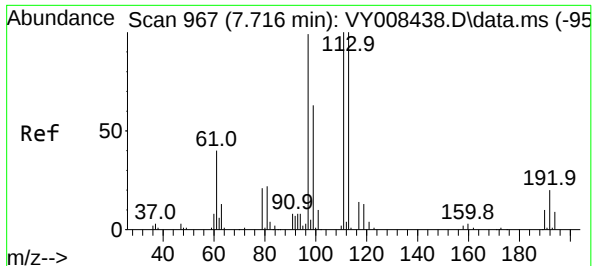
Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.2

88 18.2 0.0 31.8

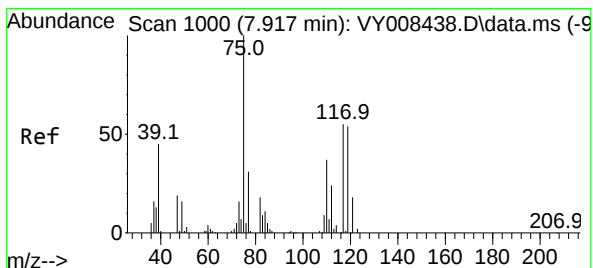
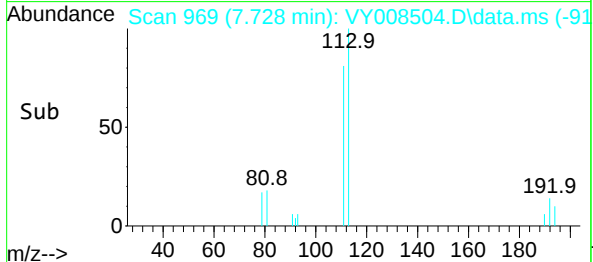
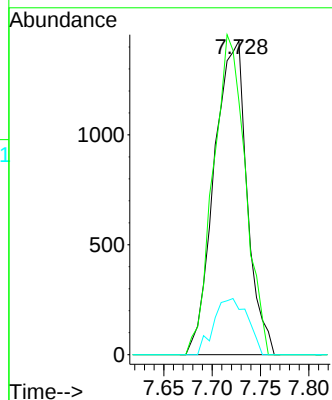
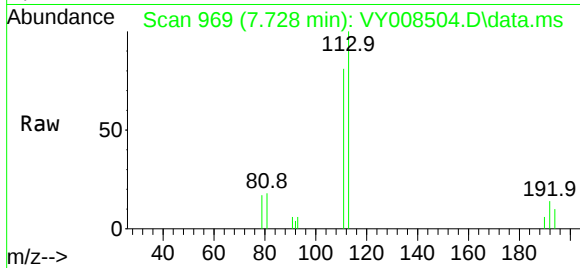




#35
Dibromofluoromethane
Concen: 50.598 ug/l
RT: 7.728 min Scan# 911
Delta R.T. 0.012 min
Lab File: VY008504.D
Acq: 26 Apr 2022 15:17

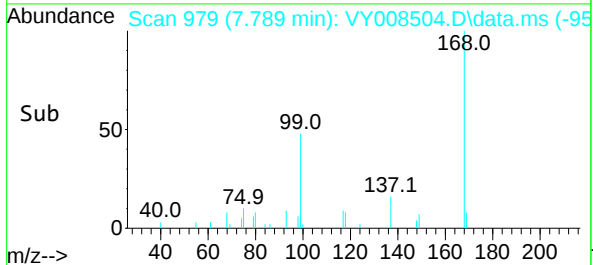
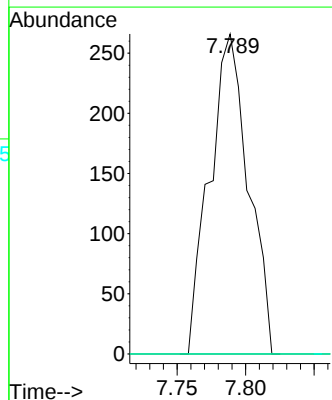
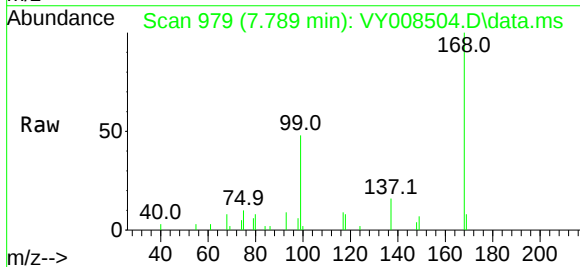
Instrument :
MSVOA_Y
ClientSampleId :
MH-1S

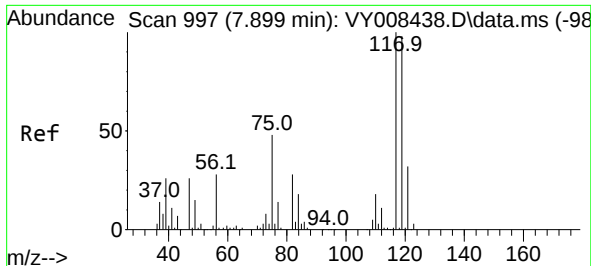
Tgt Ion:113 Resp: 3369
Ion Ratio Lower Upper
113 100
111 99.5 82.6 124.0
192 18.3 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.947 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY008504.D
Acq: 26 Apr 2022 15:17

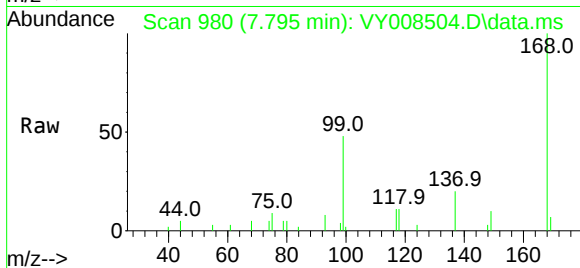
Tgt Ion: 75 Resp: 524
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.4 36.6#



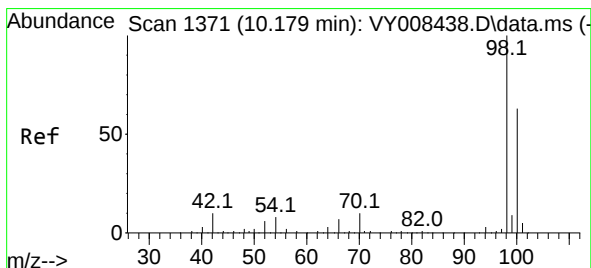
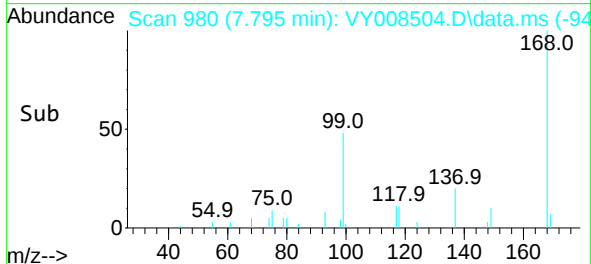
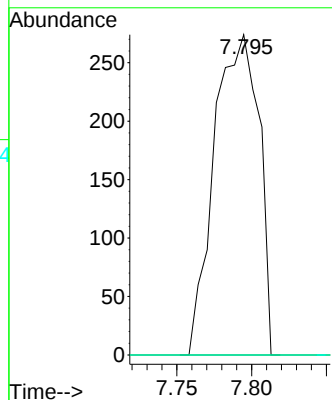


#38
Carbon Tetrachloride
Concen: 5.171 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY008504.D
Acq: 26 Apr 2022 15:17

Instrument :
MSVOA_Y
ClientSampleId :
MH-1S

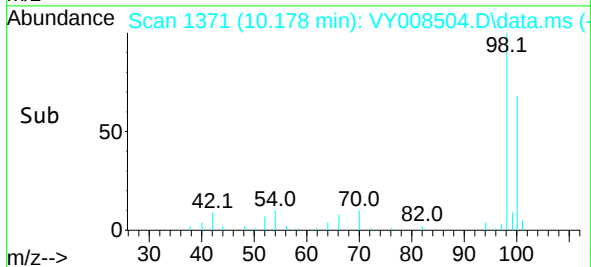
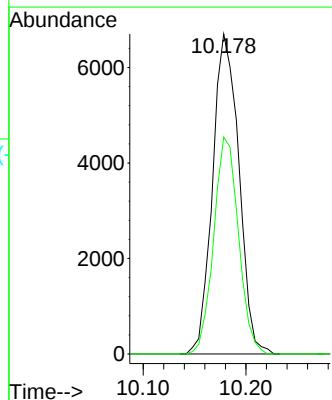
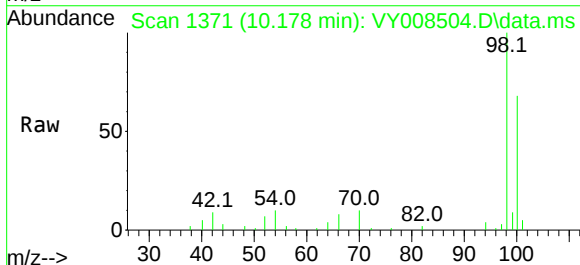


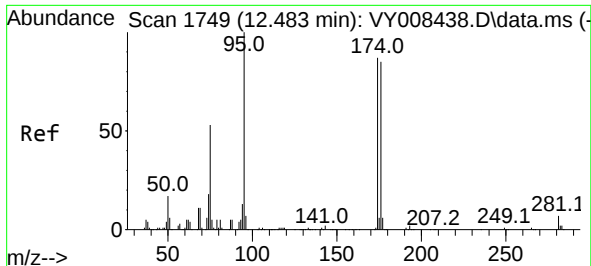
Tgt Ion:117 Resp: 569
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 45.034 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY008504.D
Acq: 26 Apr 2022 15:17

Tgt Ion: 98 Resp: 11890
Ion Ratio Lower Upper
98 100
100 63.9 50.2 75.2

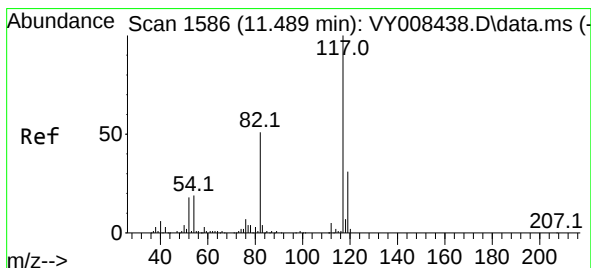
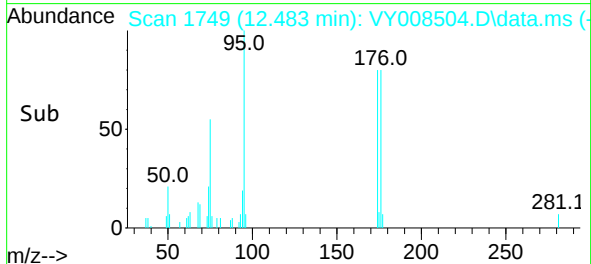
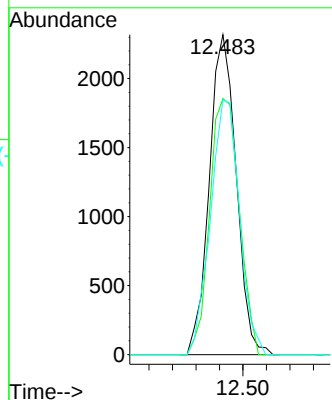
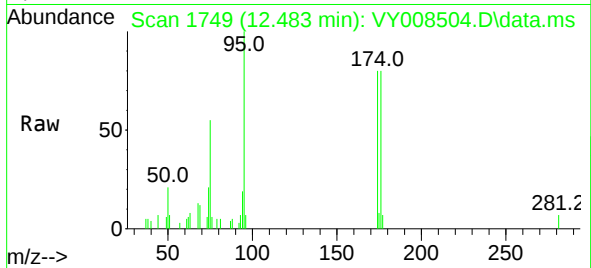




#62
4-Bromofluorobenzene
Concen: 41.100 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY008504.D
Acq: 26 Apr 2022 15:17

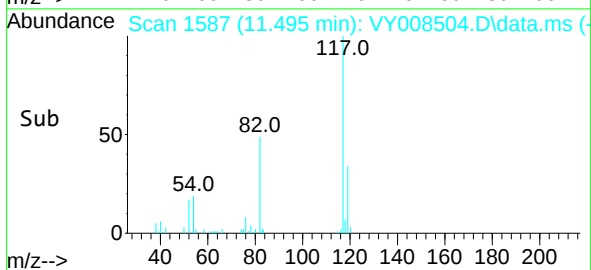
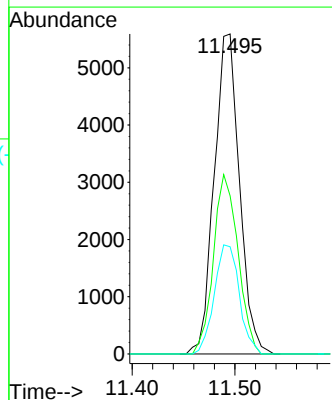
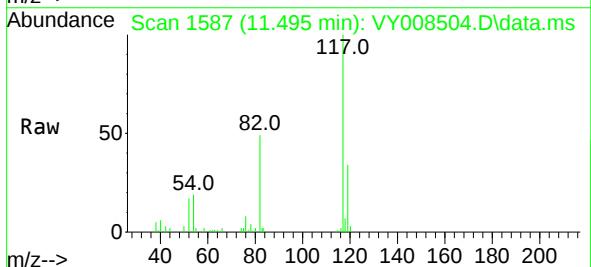
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ClientSampleId :
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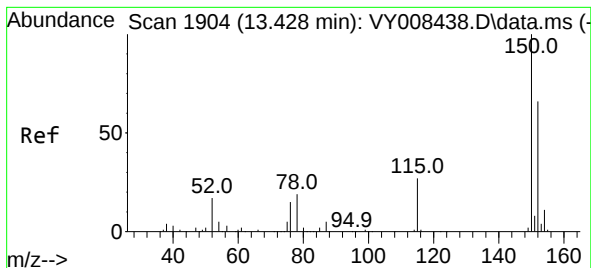
Tgt Ion: 95 Resp: 3685
Ion Ratio Lower Upper
95 100
174 87.5 0.0 177.0
176 86.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY008504.D
Acq: 26 Apr 2022 15:17

Tgt Ion: 117 Resp: 9522
Ion Ratio Lower Upper
117 100
82 49.4 43.0 64.4
119 33.5 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY008504.D

Acq: 26 Apr 2022 15:17

Instrument :

MSVOA_Y

ClientSampleId :

MH-1S

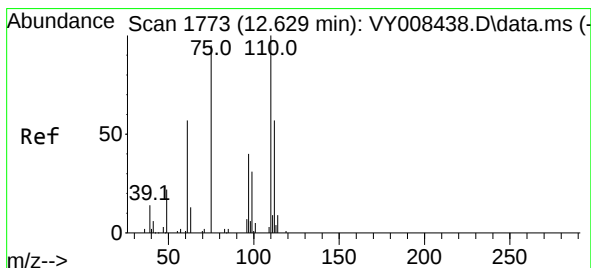
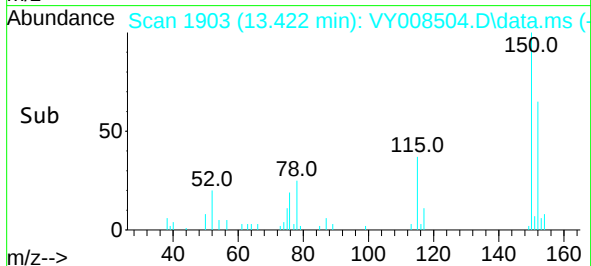
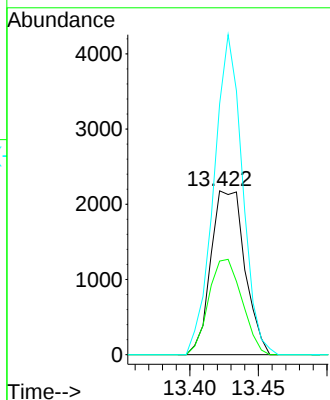
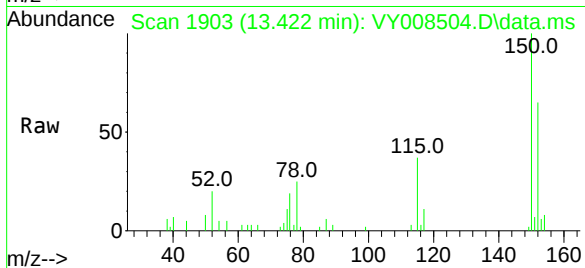
Tgt Ion:152 Resp: 3757

Ion Ratio Lower Upper

152 100

115 56.9 28.2 84.7

150 164.6 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 40.311 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY008504.D

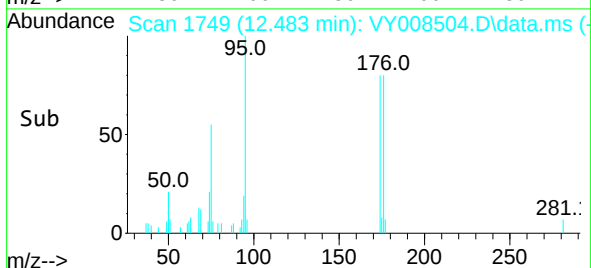
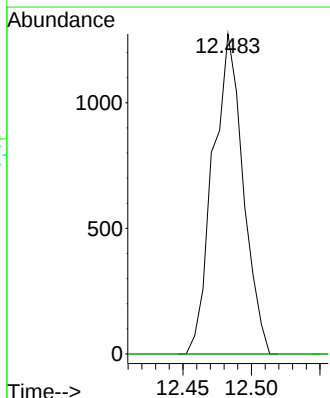
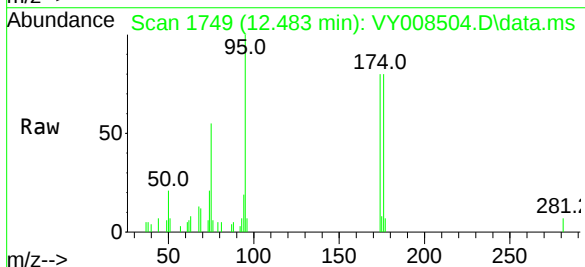
Acq: 26 Apr 2022 15:17

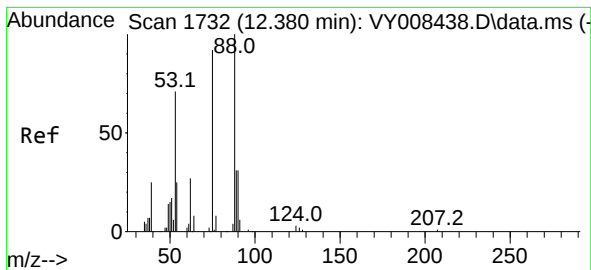
Tgt Ion: 75 Resp: 1960

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.517 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY008504.D
 Acq: 26 Apr 2022 15:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-1S

Tgt Ion: 75 Resp: 1960
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

